

ABSTRACT OF THE DISCLOSURE

A traffic forwarding method in an ATM (asynchronous transfer mode) based MPLS (multi-protocol label switching) system and apparatus thereof is disclosed, by which the traffic flowing into an egress is effectively forwarded. The present invention includes classifying ATM traffic of traffic inputted to an egress through at least one channel, into non-UBR (unspecified bit rate) traffic and UBR traffic, finding a total of channel bandwidths assigned to the classified non-UBR traffic, and forwarding the classified non-UBR traffic through a single channel having a bandwidth amounting to the found total.